

- www.mccsemi.com





Micro Commercial Components

MAXIMUM RATINGS

RATING	SYMBOL	VALUE	UNIT
Peak Pulse Power (tp = 8 / 20 µs)	Ppk	300	Watts
Operating Temperature	Tj	-55 to +150	°C
Storage Temperature	Tstg	-55 to +150	°C

ELECTRICAL CHARACTERISTICS

PART NUMBER	MARKING CODE	REVERSE STAND-OFF VOLTAGE	Min V _{BR} @ 1mA	Max Clamping @ I _{sp} =1A ¹	Max Peak Pulse Current ²	Leakage Current @ V _{RWM}	Capacitance @ 0V, 1MHz Pin 1-2	Capacitance @ 0V, 1MHz Pin 1-3 & 2-3
		V _{RWM}	BV(min)	Vc (typ.)	lpp	I _R	Cj (max.)	Cj
		Volts	Volts	Volts	Amps	μA	pf	pf
SM05	2AC	5	6	9.5	17	20	250	300

Notes:

Clamping voltage values are based upon an industry standard 8 x 20µs peak pulse current (lpp) waveform.
tp = 8/20µs

www.mccsemi.com



Ordering Information

Device	Packing	
SM05-TP	Tape&Reel3Kpcs/Reel	

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes.
Micro Commercial Components Corp. does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold Micro Commercial Components Corp. and all the companies whose products are represented on our website, harmless against all damages.

APPLICATIONS DISCLAIMER

Products offer by Micro Commercial Components Corp. are not intended for use in Medical,

Aerospace or Military Applications.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Micro Commercial Components (MCC): SM05-TP